



भारत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं. 24] नई दिल्ली, शनिवार, जून 16, 1979 (ज्येष्ठ 26, 1901)
No. 24] NEW DELHI, SATURDAY, JUNE 16, 1979 (JYAISTHA 26, 1901)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बंधित अधिसूचनाएं और नोटिस
Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 16th June 1979

APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

10th May, 1979

484/Cal/79. Kabel-Und Metallwerke Gutehofenungshutte Aktiengesellschaft. Process for the mass production of heat pipe.

485/Cal/79. Dynamit Nobel Aktiengesellschaft. Plasticizer-containing films of partially acetalized polyvinyl alcohols.

486/Cal/79. Sunkist Growers, Inc. Method and apparatus for grading fruit.

11th May, 1979

487/Cal/79. Tullis Russell & Company Limited and Chloride Group Limited. Battery separator material. (May 11, 1978).

488/Cal/79. Monsanto Company. 2, 4-disubstituted-5-thiazole-carboxylic acids and derivatives.

489/Cal/79. S. Metni. Watch. (June 2, 1978).

490/Cal/79. Hitachi Limited. Process for producing electric windings.

14th May, 1979

491/Cal/79. N. V. Philips' Gloeilampenfabrieken. Micro-wave oscillator circuit with improved efficiency.

492/Cal/79. Monsanto Company. 2-substituted-4-thiazole-carboxylic acids and their derivatives as safening agents.

493/Cal/79. Union Carbide Corporation. Water soluble pesticidal quaternary ammonium salt compounds.

494/Cal/79. G. N. Nawab and J. N. Parikh. Improvements in and modification of picker used in textile weaving.

495/Cal/79. Societe Dite : A.C.M.A.T. Ateliers DE Constructions Mecaniques De L'Atlantique. Platform assemblies for motor vehicles.

496/Cal/79. Societe Dite : A.C.M.A.T. Ateliers DE Constructions Mecaniques DE L' Atlantique. Highly autonomous cross-country workshop and servicing van.

497/Cal/79. Societe Dite : A.C.M.A.T. Ateliers DE Constructions Mecaniques DE L'Atlantique. Air-transportable highly autonomous cross-country medical vehicle.

498/Cal/79. Societe Dite : A.C.M.A.T. Ateliers DE Constructions Mecaniques DE L' Atlantique. Transfer box.

499/Cal/79. Societe Dite : A.C.M.A.T. Ateliers DE Constructions Mecaniques DE L'Atlantique. Motor vehicle chassis.

15th May, 1979

500/Cal/79. Kureha Kagaku Kogyo Kabushiki Kaisha. Method of analyzing moving image points or particles.

501/Cal/79. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Method and apparatus for cladding a housing which receives an opener roller.

502/Cal/79. Monsanto Company. Process to produce inorganic hollow fibers.

503/Cal/79. Terukichi Nagata. Calcium compost and method and apparatus for producing the same.

504/Cal/79. The Babcock & Wilcox Company. Oscillating soot blower mechanism.

505/Cal/79. Wagner-Biro Aktiengesellschaft. Continuous fermentative process for the production of ethyl-alcohol.

506/Cal/79. Omark Industries, Inc. Rail clip. (June 2, 1978).

APPLICATION FOR PATENTS FILED AT THE
(DELHI BRANCH)

24th April, 1979

258/Del/79. Director General, Cement Research Institute of India. A drive means for a rotary grate.

259/Del/79. Sara Technical Services Private Limited. A bench vise.

260/Del/79. Director General, Cement Research Institute of India. A drive means for a rotary grate.

261/Del/79. Industrie Pirelli SpA. Improvements in the manufacture of metallic cords.

262/Del/79. R. C. Turpin, Jr. Cement composition. [Addition to No. 252/Del/77].

25th April, 1979

263/Del/79. Sri Ganesh Research Institute. Process for extraction of katha in closed conditions.

264/Del/79. Sri Ganesh Research Institute. Process for drying of katha.

265/Del/79. Sri Ganesh Research Institute. Manufacture of Catechin from crude katha.

266/Del/79. Dorr-Oliver Incorporated. Flow distributor for fluid bed biological reactor.

26th April, 1979

267/Del/79. Dresser Industries, Inc. Pressure gauge construction.

268/Del/79. Dresser Industries, Inc. Radial truck.

269/Del/79. Dresser Industries, Inc. Radial truck.

27th April, 1979

270/Del/79. Indian Drugs & Pharmaceuticals Ltd. Synthesis of 4- (5-substituted-2-furyl-and thieryl).

271/Del/79. Mr. I. D. Ratnu. Air vehicle.

272/Del/79. G. Margard. Arrangement for dividing a ship's free liquid surface.

273/Del/79. UOP Inc. Purification of rutile.

28th April, 1979

274/Del/79. Geoprobe Limited. Geophysical surveying method.

30th April, 1979

275/Del/79. Dr. H. K. Soorma. New globe based on a new theory of revolution of the earth and the sun.

30th April, 1979

276/Del/79. Council of Scientific and Industrial Research. An electrochemical process for the production of 3 nitro, 4 hydroxy toluene from p-nitrotoluene.

277/Del/79. Catalysts and Chemicals, Inc. Process for reacting hydrocarbons with steam. [Divisional date March 26, 1977].

278/Del/79. The Standard Oil Company. Catalyst composition for the preparation of unsaturated acids from unsaturated aldehydes. [Divisional date September 24, 1977].

279/Del/79. The Standard Oil Company. Catalyst composition for the preparation of unsaturated acids from unsaturated aldehydes. [Divisional date September 24, 1977].

280/Del/79. Gestetner Limited. Stencil duplicator. (May 18, 1978).

281/Del/79. Shell Internationale Research Maatschappij B. V. Preparation of a cyclopropylacetic acid and its derivatives. (May 2, 1978).

282/Del/79. L. G. Carlson. High capacity folded moving bed ion exchange apparatus and method for treating phosphoric acid and the like.

283/Del/79. American Technological University. Heat exchange bodies utilizing heat of fusion effects and methods of making same.

284/Del/79. LE Materiel Telephonique. Process and device for converting time-division data received on an incoming trunk to time-division data of different organization fed to an outgoing trunk.

APPLICATION FOR PATENTS FILED AT THE
(BOMBAY BRANCH)

20th April, 1979

111/Bom/79. Applied Electronics Limited. An apparatus which disables the subscriber's trunk dialling (STD) facility.

112/Bom/79. Applied Electronics Limited. Subscriber line combination lock.

23rd April, 1979

113/Bom/79. S. Parhate. Automatic welder's helmet.

24th April, 1979

114/Bom/79. M/s. Tulsi Oil Manufacturing Company. A process for the manufacture of a pharmaceutical product.

115/Bom/79. Eagle Flask Private Limited. A device for amusement capable of producing an explosive noise not unlike a fire cracker.

116/Bom/79. Bhavana Chemicals Limited. Process for the manufacture of d-trans-p-menthene-3 from d-trans-isolimonene. [Divisional date March 5, 1977].

26th April, 1979

117/Bom/79. Alchemie Research Centre Private Limited. Process for beneficiating magnetite iron ore.

27th April, 1979

118/Bom/79. Hindustan Lever Limited. A composition for stimulating the growth of plants and yield of plant products.

28th April, 1979

119/Bom/79. T. T. George. A device for the detection and indication of lubrication and or bearing failure.

1st May, 1979

120/Bom/79. A. R. Moholkar. Diaphragm type pressure difference switch.

3rd May, 1979

121/Bom/79. B. G. Tathe. Levelling staff giving direct figures of reduced levels.

122/Bom/79. M. Y. Parashuram. The indicating type A.C. voltage stabiliser with high and low control set points and over-load protection.

4th May, 1979

123/Bom/79. S. Martin. Improvements in or relating to feeding bottles for infants.

124/Bom/79. S. Martin. A lighted book stand.

125/Bom/79. Khadi & Village Industries Commission, Gobar Gas Research and Development Centre. An improved gas holder in gas plants.

**APPLICATION FOR PATENTS FILED AT THE
(MADRAS BRANCH)**

30th April, 1979

70/Mas/79. P. Ram. An internal combustion engine.

71/Mas/79. Shreeshyla Electronics Private Limited. A liquid crystal display time keeping system. [Divisional date March 13, 1978].

72/Mas/79. Shreeshyla Electronics Private Limited. A liquid crystal display timekeeping system. [Divisional date March 13, 1978].

2nd May, 1979

73/Mas/79. Indian Institute of Technology. An internal combustion engine.

74/Mas/79. M. B. Row. Manufacturing of medicines, process of purification and preparation of yellow orpiment and aconitum ferox.

4th May, 1979

75/Mas/79. M/s. Industrial Limes. Improving construction of Latrines by pre-fabricated R.C.C. Latrine unit based on honey-comb technique and or rib-welded skeletons under trade name of "Ishkon-riaksh".

5th May, 1979

76/Mas/79. S. Kunchithapadam. Threshing harvested paddy crops, Mobile paddy thresher.

77/Mas/79. S. Nagarajan. Navanaag dryer.

9th May, 1979

78/Mas/79. Indian Institute of Technology. A device for cutting polystyrene and like substances.

79/Mas/79. Indian Institute of Technology. A device for coating foundry sand with resins.

80/Mas/79. Indian Institute of Technology. A device for determining the workability mouldability index of foundry sands.

10th May, 1979

81/Mas/79. Girling Limited. Improvements in disc brakes for vehicles.

82/Mas/79. Sri K. T. V. Raghavan and Sri S. Gopalan. A sand ejection device.

ALTERATION OF DATE

146492.

1046/Cal/77.

Ante-dated 16th September, 1974.

146493.

1047/Cal/77.

Ante-dated 16th September, 1974.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The classifications given below in respect of each specifications are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 101F.

145710.

Int. Cl.-E02b 9/06.

**A METHOD OF PRODUCING A BASE INVERT SEAL
IN A PENSTOCK.**

Applicant : SIMON-HARTLEY LIMITED, OF ETRURIA WORKS, STOKE-ON-TRENT, STAFFORDSHIRE, ENGLAND.

Inventor : FREDERICK BASIL GARDNER.

Application No. 723/Cal/76 filed April 26, 1976.

Convention date May 6, 1975/(19037/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A method of producing a base invert seal in a penstock, the penstock comprising a frame having an opening therein and a door slidable within the frame across said opening to close same by vertical movement between fixed vertical guide members slidably engaging the side edge regions of said door, wherein at least one of said members at each side forms a resilient vertical seal, the method comprising the steps of temporarily and at least partially compressing said resilient vertical seal, the method comprising the steps of temporarily and at least partially compressing said resilient vertical seal, forming a pad of resilient material onto which the lower edge of said door in use will close and causing said resilient material to form a seal around the lower end region of said resilient vertical seal prior to releasing the temporary compressive force applied thereto.

CLASS 107H.

146473.

Int. Cl.-F02m 45/00.

**FUEL INJECTION PUMP AND TIMING CONTROL
THEREFOR.**

Applicant : STANDYNE, INC., AT 92 DEERFIELD ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventors : DANIEL EDWIN SALZGEBER, ROBERT RAUFEISEN AND CHARLES WADE DAVIS.

Application No. 1843/Cal/76 filed October 7, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A fuel injection pump for an internal combustion engine comprising pump plunger means providing sequential pumping strokes, means for changing the timing of the pumping strokes comprising a cylinder, an advance piston movable in said cylinder, means interconnecting said advance piston with said pump plunger means to advance and to retard the relative timing of the pumping strokes, a first source of fluid having a pressure correlated with engine speed, means operatively connected to said advance piston for moving said advance piston in response to said first pressure to change the

relative timing of said pumping strokes including a source of operating fluid under pressure to power said advance piston, a conduit for delivering said operative fluid to said advance piston, and gating means in said conduit responsive to said first fluid pressure for disabling said operation of said advance piston moving means so that said advance piston is in a position corresponding with a fully retarded relative timing of pumping up to a predetermined speed, said gating means comprising a fuel limiting plunger intersecting said conduit to control the flow of said operating fluid to said advance piston.

CLASS 32F.b & 55E.

146474.

Int. Cl.-C07d 51/72.

A PROCESS FOR THE PREPARATION OF A NEW PIPERAZINE DERIVATIVE.

Applicant : RICHTER GEDEON VEGYESZETI GYAR RT., OF 21, GYOMROI U., BUDAPEST X., HUNGARY.

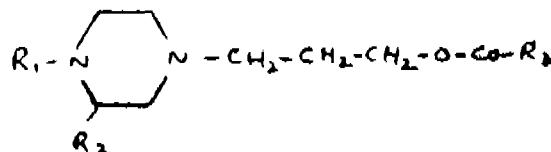
Inventors : DR. KAROLY FELFOLDI, DR. JOZSEF APJOK, DR. MIHALY BARTOK, DR. JOZSEF CZOMBOS, DR. ARPAD MOLNAR, DR. FERENC NOTEISZ, DR. EGON KARPATI, AND DR. LASZLO SZPORNY.

Application No. 1717/Cal/77 filed December 12, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

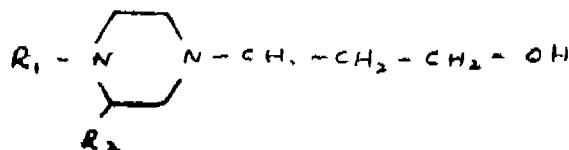
11 Claims

A process for the preparation of a new piperazine derivative having the general formula shown in Fig 1.



R₁ represents a C 1-5 alkyl group having optionally a phenyl, trimethoxy-phenyl, phenoxy, methoxy-cyclohexyl or heptamethyleneimino substituent on the terminal carbon atom, allyl group, a phenyl group having optionally one or more halogen, C 1-4 alkyl, C 1-4 alkoxy, trihalomethyl or allyl substituent/s, or a C 2-5 alkoxycarbonyl group;

R₂ represents hydrogen or a C 1-4 alkyl group, and R₂ represents furyl group, 9-xanthenyl or a C 5-6 cycloalkyl group having a C 1-4 alkoxy substituent, comprising reacting a compound of the general formula shown in Fig. 2.



wherein R₁ and R₂ are as defined above, with a compound of the general formula (3), shown below:



wherein R₁ is as defined above, or with a reactive derivative thereof like the halides and esters formed with C1-5 aliphatic alcohols, and, if desired, the resulting compounds is converted into its acid addition salt.

CLASS 128G & K.

146475.

Int. Cl.-A61b 17/36.

CRYOSURGICAL INSTRUMENTS.

Applicant : SPEMBLY LIMITED, OF NEWBURY ROAD, ANDOVER, HAMPSHIRE, ENGLAND.

Inventors : ERNEST HILTON THOMAS AND HUMPHRY ROBERT EVATT.

Application No. 592/Cal/76 filed April 5, 1976.

Convention date April 22, 1975/(16595/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

23 Claims

A cryogenic system which has selective cooling and warming modes of operation and in which fluid from a pressurized source is fed to a cavity of a probe through a first duct and through a first restriction in the probe to produce a pressure-drop resulting in the required cooling of a wall of the cavity during the cooling mode, a second duct being provided for connecting a source of pressurized fluid to said cavity separately from said first duct and said first restriction during the warming mode, said second duct having associated therewith a second restriction for controlling the flow of fluid through said second duct during the warming mode, and valve means for selectively connecting said first duct to said cavity during the cooling mode to produce said pressure drop and for connecting both said ducts to the cavity during the warming mode to pressurize the cavity and produce condensation therein, the flow impedance of the first and second restrictions being so related as to control the relative flows of fluid into the cavity via said ducts during the warming mode.

CLASS 114D.

146476.

Int. Cl.-C14c 3/14.

PROCESS FOR THE PREPARATION OF ANIONIC STABILISED FATLIQUORS FROM ANIMAL OILS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors : RAMANUJAM SELVARANGAN, KRISHNA IYER, VIJAYALAKSHMI, DHARMAGADI, RAGHUNATHA RAO AND VEMU VENKATA MURALIDHARA RAO.

Application No. 752/Cal/76 filed April 29, 1976.

Complete Specification left June 17, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Delhi Branch.

7 Claims. No drawings.

A process for the preparation of anionic stabilised fatliquors from animal oils by sulphation characterised in that the oil is ethoxylated prior to being subjected to sulphation.

CLASS 130-I.

146477.

Int. Cl.-C22b 14/12.

A PROCESS FOR THE RECOVERY OF COPPER POWDER FROM VERY DILUTE SOLUTIONS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors : MURARI MOHAN NANDI, RAMESH CHANDRA GUPTA AND BHARAT RAMKRISHNA SANT.

Application No. 1226/Cal/76 filed July 9, 1976.

Complete specification left July 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims. No drawings.

An improved process for recovery of copper powder from very dilute solutions by precipitation with a metal more electropositive than copper, wherein improvement comprises in;

- using a dilute solution containing ≤ 0.5 g/l of copper;
- adjusting the pH at 2;
- rotating an aluminium disc in the solution for 10 to 60 minutes at a temperature of 25-85°C to precipitate copper powder;

- (d) filtering the copper powder;
- (e) digesting the same with 15-20% H₂S₂ at 50-80° for 1-2 hours;
- (f) filtering the copper powder product and washing the same with water till filtrate is free of sulphate, drying the product, and;
- (g) using the filtrate from step (f) in step (a).

CLASS 129D. 146478.

Int. Cl.-C08p 9/06.

FLUX COMPOSITION FOR SOFT SOLDERING.

Applicant : MULTICORE SOLDERS LIMITED, OF KELSEY HOUSE, WOOD LANE END, HEMEL HAMPTON, HERTFORDSHIRE HP2 4RF, ENGLAND.

Inventors : GORDON FRANCIS ARBIB AND WALLACE RUBIN.

Application No. 723/Cal/77 filed May 13, 1977.

Convention date June 11, 1976/(24410/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A flux composition for soft soldering comprising as essential constituents.

- (1) at least one neutral ester of a polyhydric alcohol, said ester having a molecular weight of at least 300, and
- (2) at least one additional constituent selected from :—
 - (a) organic acids which are substantially soluble in said ester of a polyhydric alcohol when in a molten condition;
 - (b) flux activating agents; and
 - (c) flux residuehardening agents, said ester being present in an amount greater than 25% by weight based on the total weight of constituents (1) and (2).

CLASS 39L & 141C & D. 146479.

Int. Cl.-C22b 1/00, C01g 23/04.

PROCESS FOR PRODUCING A SYNTHETIC RUTILE FROM ILMENITE.

Applicant : USS ENGINEERS AND CONSULTANTS, INC., AT 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventors : ROBERT GOODWIN AUGER AND EDWARD FRANCIS RESTELLI, JR.

Application No. 889/Cal/77 filed June 14, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A method of processing ilmenite to produce a synthetic rutile, comprising subjecting the ilmenite or a concentrate thereof to gaseous oxidizing conditions to oxidize FeO to Fe₂O₃, exposing the ilmenite to a reducing atmosphere containing hydrogen, carbon monoxide or both in a fluidized bed at a temperature of at least 1400°F to reduce iron therein to the metallic state, cooling the reduced product to below 1000°F in a non-oxidizing atmosphere and contacting the cooled reduced product with an aerated aqueous leach solution containing an electrolyte at a temperature no higher than 190°F to oxidize iron therein to an insoluble iron oxide physically separable from said leach solution and from the resulting insoluble synthetic rutile product said leach solution being used in an amount of at least one part by weight per part by weight of reduced ilmenite.

CLASS 168A & H.

146480.

Int. Cl.-G08c 19/04.

REACTOR SOLUTION LEAKAGE MONITOR.

Applicant : INDIAN EXPLOSIVES LIMITED, OF 34, CHOWRINGHEE, CALCUTTA-700016, WEST BENGAL, INDIA.

Inventors : ASHOK KUMAR AND PULIVUR SRINIVASAN KRISHNA.

Application No. 1000/Cal/77 filed July 2, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A reactor solution leakage monitor comprising a plurality of solution leakage detection probes which are disposed at a number of points distributed all around the surface of the reactor housing, each of said probes being connected to the reactor housing, which is grounded, through a first resistance of predetermined value, such that the reactor solution coming in contact with one or more of said probes due to leakage in the reactor lining and/or in the housing, caused by the corrosive action of said solution or by any other reason, causes the electrical resistance between the affected probe(s) and the ground to fall below a preselected threshold value, and an electronic monitoring unit connected to said probes through control cables, said electronic monitoring unit being constituted by integrated circuits and memory units, said integrated circuit(s) being adapted to process the input resulting due to the aforesaid change in resistance caused by the leakage of the reactor solution, and the output of said integrated circuit(s) being adapted to be processed through said memory unit(s) for activating light emitting diode(s) to give visual indication, and, if desired, for operation of additional audible alarm through output relay(s).

CLASS 84C.

146481.

Int. Cl.-C101 5/00.

A PROCESS FOR PRODUCING A CARBONACEOUS MATERIAL USED AS A SUBSTITUTE FOR LOW ASH METALLURGICAL COKE.

Applicant : INDIA CARBON LIMITED, OF 6 OLD POST OFFICE STREET, CALCUTTA-700 001, AND HAVING REGISTERED OFFICE AT NOONMATI, GAUHATI, ASSAM, INDIA.

Inventor : RAVINDRA KUMAR RAWAT.

Application No. 1613/Cal/77 filed November 15, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims. No drawings.

A process for producing a carbonaceous material used as a substitute for low ash metallurgical coke which comprises calcining Leco (Lignite which has been subjected to low temperature carbonization) at elevated temperatures and controlled reducing atmosphere such as herein described.

CLASS 32F,b & 40B.

146482.

Int. Cl.-B01j 9/00.

PROCESS FOR THE PREPARATION OF UNSATURATED ACIDS FROM UNSATURATED ALDEHYDES.

Applicant : THE STANDARD OIL COMPANY, OF MIDLAND BUILDING, CLEVELAND, OHIO 44115, U.S.A.

Inventors : JAMES FERGUSON WHITE AND WILFRED GARSIDE SHAW.

Application No. 249/Del/77 filed September 24, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

12 Claims. No drawings.

In the process for the preparation of unsaturated carboxylic acid by the oxidation of unsaturated aldehydes in the presence of an oxide or oxide complex active catalyst of the formula



wherein b, c and d are numbers from 0.001 to 10;

f is the number of oxygens required by the valence states of the other elements present, at an elevated temperature of about 200° to about 500°C., the improvement comprising: using a coated catalyst consisting essentially of an inert support material having an outer surface and a continuous coating of said active catalyst on said inert support strongly adhering to the outer surface of said support, obtained by (1) contacting an essentially inert support at least 20 microns in diameter with a measured amount of liquid to produce a partially wet support, said support being one that does not have the appearance of liquid on the outer surface of the support, but has at least some liquid absorbed on the support, (2) contacting said partially wet support with a powder of the catalytically active oxide material and (3) gently agitating the mixture of partially wet support and catalytically active oxide material to produce an inert support having a strongly adherent coating of said material on the outer surface of said support, followed by drying and activation.

CLASS 101E.

146483.

Int. Cl.-G01p 5/00.

ELECTROMAGNETIC FLOWMETER.

Applicant : SYBRON CORPORATION, OF 1100 MID-TOWN TOWER, ROCHESTER, NEW YORK-14604, UNITED STATES OF AMERICA.

Inventor : HEINZ WALTER GRUNER.

Application No. 1300/Cal/76 filed July 20, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

An electromagnetic flowmeter comprising: a pipe; a pair of measuring electrodes provided on said pipe; an electromagnetic coil responsive to a current for establishing a field which is intersected by a fluid passing through the pipe to produce a signal voltage across the electrodes; and current means for supplying said current; said current having a periodic waveform, each period of which is characterized by (1) a first and a second DC level, and (2) continuous transitions between said DC levels, said transitions being monotonic half cycles of a sine wave, said half cycles interposed between said DC levels beginning and ending with zero slope.

CLASS 172C.

146484.

Int. Cl.-D01h 5/26.

TWO-BAND TEXTILE FIBRE DRAFTING APPARATUS.

Applicant : JOHN MICHAEL NOGUERA, OF 1, GRENVILLE HOUSE, KINNERTON STREET, LONDON, SW1, ENGLAND.

Inventor : JOSEPH NOGUERA.

Application No. 122/Cal/77 filed January 28, 1977.

Convention date February 10, 1976/(5213/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A two-band textile fibre drafting apparatus having superposed endless bands respectively supported by upper and lower front tensors and rear driving rollers and guided laterally by side walls of an upper cradle carrying the upper tensor and side wall of a separate lower cradle which provides support for the lower tensor, the upper cradle being arranged, at the rear end, to bear against the upper roller and, at the front end, to hook under downwardly directed

lateral abutments on the lower tensor which is of platform-like form, and the lower tensor being operatively positioned by the lower cradle only at the forward lower tensor edge which edge is supported by upwardly directed upper cradle abutments, the downwardly directed lower tensor abutments being set back from the supported lower tensor edge to an extent such that the action of the upper cradle thereon tends to lift the rear lower tensor end, to an extent depending on band size, to maintain the bands in a yieldingly tensioned condition.

CLASS 70A & B.

146485.

Int. Cl.-B01k 3/02, C23f 13/00.

SINTERED ELECTRODES AND ELECTROLYTIC CELL HAVING SAID ELECTRODE.

Applicant : DIAMOND SHAMROCK TECHNOLOGIES S.A., OF 3, PLACE ISAAC MERCIER, 1201 GENEVA, SWITZERLAND.

Inventors : VITTORIO DE NORA, PLACIDO MARIA SPAZIANTE AND ANTONIO NODOLA.

Application No. 481/Cal/77 filed March 30, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims. No drawings.

An electrode comprising a self-sustaining matrix of sintered powders of an oxycompound of at least one metal selected from the group consisting of titanium, tantalum, zirconium, vanadium, niobium, hafnium, aluminum, silicon, tin, chromium, molybdenum, tungsten, lead, manganese, beryllium, iron, cobalt, nickel, platinum, palladium, osmium, iridium, rhodium, technetium, rhodium, ruthenium, gold, silver, cadmium, copper, zinc, germanium, arsenic, antimony, bismuth, boron, scandium and metals of the lanthanide and actinide series and at least one electroconductive agent, the said electrodes being provided over at least a portion of their surface with at least one electrocatalyst.

CLASS 50B.

146486.

Int. Cl.-F25t 19/00.

AIR COOLERS.

Applicant : RACOLD APPLIANCES PVT. LTD., OF VANDHANA, 12TH FLOOR, 11, TOLSTOY MARG, NEW DELHI-110001, INDIA.

Inventor : KRISHAN PRAKASH SETHI.

Application No. 794/Cal/76 filed May 6, 1976.

Complete Specification left August 6, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

7 Claims

An air cooler comprising a cabinet having openings at least on three sides thereof, each of said three sides having a pad of water absorbant material such as glass wool to cover said openings, said cabinet having a fourth side for the discharge of cooled air, a motor disposed within said cabinet to form a drive source characterized in that said motor has first and second shafts disposed on opposite sides thereof, first and second blowers held to said shafts respectively, said second shaft extending beyond said second blower for receiving a flexible coupling member, the opposite end of said flexible coupling member held to the shaft of a pump, the shaft of said pump being disposed in a directional plane different to that of said first and second shafts.

CLASS 68E.

146487.

Int. Cl.-G05f 1/00.

APPARATUS FOR PRODUCING PROTECTIVE POWER TRANSMISSION LINE.

Applicant : SIBIRSKY NAUCHNO-ISSLEDOVATEL-SKY INSTITUT ENERGETIKI, ULITSA FRUNZE, 9

NOVOSIBIRSK, USSR. (2) NOVOSIBIRSKY ELEKTRO-TEKHNICHEISKY INSTITUT, ULITSA K. MARXA, 20 NOVOSIBIRSKY, USSR (3) RIZHISKY POLITEKHNI-CHESKY INSTITUT, ULITSA LENINA, 1, RIGA, USSR.

Inventors : TAMARA BORISOVNA ZASLAVSKAYA, (2) VENIAMIN LVOVICH FABRIKANT, (3) LJUD-MILA IVANOVNA PUSHKEREVA and (4) VLADIMIR NIKOLAEVICH CHUVYCHIN.

Application No. 1220/Cal/76 filed July 8, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

An apparatus for producing protective power transmission line comprising a current measuring unit made as a current transformer coupled to the input of a symmetrical components separation unit made as a symmetrical current components filter; a voltage measuring unit made as a voltage transformer being connected to the input of a symmetrical components separation unit made as a voltage symmetrical components filter; the outputs of the said symmetrical current components filter and voltage component filter being connected to two multipliers respectively which multiply symmetrical components by co-efficients equivalent to the coefficients A and B of a four terminal network substituting the protected section, the said multipliers being provided with a common output which being joined to fundamental harmonic separation unit made as a band-pass filter; said current transformer and another transformer being located at one end of the protected section of the power transmission line, the transformer being connected to the input of the voltage symmetrical component filter; a voltage transformer located at the other end of the protected section being connected to a symmetrical components separation unit made as a symmetrical components voltage filter which being connected to a data transmission unit via a fundamental harmonic separation unit made as a band-pass filter, the output of the said data transmission unit is connected via communications channel and a data reception unit to an input of an adder through an outlet, the input of the adder being coupled to the said band-pass filter; an output of the adder being connected to an input of a comparator through an amplification unit and the other input of the comparator being coupled to the outlet; an output of this comparator being connected to an effector.

CLASS 172E.

146488.

Int. Cl.-B65h 54/00.

A METHOD OF PRODUCING A BOBBIN OF YARN AND A DEVICE FOR CARRYING OUT THE SAME.

Applicant : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, 8070 INGOLSTADT, WEST GERMANY.

Inventors : GERD REISSER AND KURT LOVAS.

Application No. 1780/Cal/76 filed September 27, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A method of producing a bobbin of yarn having a reserve winding unit with its ends secured thereon, characterised in that the free thread end is guided towards the middle of the bobbin and is enveloped by the winding subsequently made by the traversing thread guide.

CLASS 47E.

146489

Int. Cl.-C10b 25/12, 25/16.

CLOSURE FOR A HORIZONTAL COKE OVEN CHAMBER.

Applicant : G. WOLFF JR. KOMMANDITGESELLSCHAFT, OF NO. 877, HATTINGER STRASSE, 463 BOCHUM-LINDEN, FEDERAL REPUBLIC OF GERMANY.

Inventor : KURT DIX.

Application No. 45/Cal/77 filed January 14, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

26 Claims

A closure for a horizontal coke oven chamber, comprising an integral door frame attached to the head of the oven chamber and provided on its outside with a sealing face extending around its circumference, a door tightenable against said frame and, frictionally attached to the door by clamping elements a metal band which can be forced edgewise against the sealing face when the door is closed thereby to seal the interior of the oven chamber, so contrived that the edge of the metal band facing the door frame is formed with fitting lugs projecting towards the sealing face and distributed at intervals around the periphery of the frame, said edge and the fitting lugs being inserted into a continuous slot in a sealing cord made of elastic material which can be pressed against the sealing face on the door frame, the base of the slot in the sealing cord containing openings for the reception of said fitting lugs in a tight grip, which openings have a height exceeding the height of the lugs.

CLASS 24D.

146490.

Int. Cl.-B61h.

TWO-PRESSURE BRAKE CONTROL VALVE FOR AIRBRAKES.

Applicant : KNORR-BREMSE GMBH., D-8, MUNCHEN 40. POSTFACH 401060, GERMAN FEDERAL REPUBLIC.

Inventor : PETER PICK.

Application No. 590/Cal/77 filed April 18, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

In a two-pressure brake control valve for a single stage releasing indirectly acting airbrake for railway vehicles having a service brake portion connected to a brake line, an auxiliary reservoir, an emergency reservoir and a brake cylinder, said service brake portion comprising a slidably displaceable main piston connected to said brake line and auxiliary reservoir to be responsive to the difference in pressure between said brake line and auxiliary reservoir and displaceable in response to the difference in pressure in said brake line and auxiliary reservoir to be responsive to the difference in pressure between said brake line and auxiliary reservoir and displaceable in response to the difference in pressure in said brake line and auxiliary reservoir during bracking and release operations, an auxiliary piston slidably displaceable in said main piston between two end positions and one side subjected to brake line pressure and the other side subjected to auxiliary reservoir pressure, said auxiliary piston having a greater sensitivity of response to pressure difference than said main piston, a release acceleration valve connected to the brake line and to the emergency reservoir, means in the displacement path of said auxiliary piston and responsive to movement of the auxiliary piston for actuating said release acceleration valve to an open position to connect said emergency reservoir to said brake line in the initial phase of a release operation, and means responsive to said actuating means for connecting said emergency reservoir to said auxiliary reservoir during the release operation.

CLASS 119B.

146491.

Int. Cl.-D03d 51/24.

DROP WIRES FOR USE IN MECHANICALWARP STOP MOTION.

Applicant & Inventor : SAURABH NATVERLAL KINARI WALA, OF 17, CAMAC STREET, CALCUTTA-700017, INDIA.

Application No. 750/Cal/77 filed May 20, 1977.

Complete Specification left May 10, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A drop wire for use in mechanical stop motion attachment for a weaving or knitting machine comprising a metallic strip of known length, said strip having a base with an eye through which the yarn passes therethrough a head section with an elongated slot extending downwardly therefrom characterized in that said head section has a length greater than that normally provided in the known construction of said drop wires.

CLASS 31A.

146492.

Int. Cl.-C04b 35/00.

CERAMIC CAPACITOR.

Applicant : NL INDUSTRIES INC., OF 1221 AVENUE OF THE AMERICAS, NEW YORK, NEW YORK 10020, UNITED STATES OF AMERICA, FORMERLY OF 111, BROADWAY, NEW YORK, NEW YORK 10006, UNITED STATES OF AMERICA.

Inventor : JAMES ALBERT STYNES.

Application No. 1046/Cal/77 filed July 8, 1977.

Division of Application No 2052/Cal/74 filed September 16, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims

A capacitor comprising a sintered, unitary, ceramic body including a plurality of superposed dielectric strata and electrically conducting layers, said strata being of dense ceramic material integrally sintered together at a plurality of edge portions thereof to form a monolithic matrix at least one of the said conducting layers being substantially unobstructed and intervening between an adjacent pair of said strata, and electrical connections to the said conducting layers.

CLASS 31A.

146493.

Int. Cl.-C04b 35/00.

MULTILAYER CIRCUIT STRUCTURE AND PROCESS OF MAKING THE SAME.

Applicant : NL INDUSTRIES INC., OF 1221 AVENUE OF THE AMERICAS, NEW YORK, NEW YORK 10020, UNITED STATES OF AMERICA, FORMERLY OF 111, BROADWAY, NEW YORK, NEW YORK 10006, UNITED STATES OF AMERICA.

Inventor : JAMES ALBERT STYNES.

Application No. 1047/Cal/77 filed July 8, 1977.

Division of Application No. 2052/Cal/74 filed September 16, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims

A multilayer circuit structure comprising a unitary body having at least one elongate cross-section of a sintered, electrically insulating, ceramic composition, said body having at least one internal electrical conductor in a substantially unobstructed channel of predetermined size and shape that extends to at least one surface of the said body and is of small cross-section relative to said body.

CLASS 64B.

146494.

Int. Cl.-H01r 15/00 to 23/00.

AN ELECTRICAL ADAPTOR.

Applicant & Inventor : NILKANTH SHRIDHAR SATHAYE, TEMPORARILY OF 17, CAMAC STREET, CALCUTTA-700017, INDIA.

Application No. 1257/Cal/77 filed August 12, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

An adaptor comprising a body having inlet contact means such as plug pins or adaptor contacts for connection to a power source characterized in at least a first socket and a second socket are provided in said body, each of said sockets having three contacts and, wherein two contacts of one socket are connected to the two corresponding contacts of the other socket, a pair of output contact terminals for connection to a load, one of the inlet contact means connected to the second contact of the first socket, the other of the inlet contact means being connected directly to one of the outlet contacts, the other of said outlet contact being connected to the second contact of the said second socket.

CLASS 148A & B.

146495.

Int. Cl.-G03b 9/00, G03c 5/00.

A 35 MM STILL PHOTO CAMERA.

Applicant : NATIONAL INDUSTRIES LTD., 1/1, RAJA S. C. MALLICK ROAD, JADAVPUR, CALCUTTA-700032, WEST BENGAL, INDIA.

Inventor : HERBERT KING.

Application No. 1368/Cal/77 filed September 3, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A 35 mm. still photo camera having all the presently known system and devices and provided with/without exposuremeter characterised by that :—

The camera is provided with a 4-leaf shutter system the same being also acting as diaphragm instead of providing two separate shutter and iris diaphragm attachment, the shutter system being arranged in a pre-programmed shutter speed-aperture combination ratio from 1/30 second at an aperture 2.8 to 1/300 second at an aperture 16 by preset variable shutter openings :

a long time exposure device automatically ejecting back to original non-time position after exposure of film;

electronic flash and ordinary flash synchronisation with switchable centre contact in the secessory shoe and

a quick leading type take-up spool.

CLASS 99E.

146496.

Int. Cl.-A45d 33/28.

IMPROVED LIP-STICK CONTAINER.

Applicant : KEMCO CHEMICALS, 7A, BENTINCK STREET, CALCUTTA-700 013, WEST BENGAL, INDIA.

Inventor : RAJ KUMAR GOENKA.

Application No. 1485/Cal/77 filed October 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

An improved lip-stick container is characterised by that the container comprising a shell through which a lip-stick is movable up and down by means of a knob situated on the side of the container, the said knob being attached to a flexible

laminated further through a slot provided at the side of the shell, the lower end of the pusher is attached to the lipstick holder and the upper portion is being formed into a circular lip to cover the shell opening, the said pusher being movable in a channel integrated with the shell running parallel to the side of the shell, the end of the channel being projected upwards at the bottom of the shell running upto a distance below the holder.

CLASS 126C & D.

146497.

Int. Cl.-G01r 1/00.

A PILFER PROOF HOUSING FOR AN ELECTRIC METER.

Applicant & Inventor : NARASINHA GOVIND KAMAT, C/O. D. PRABHU, 5TH FLOOR, SARASWATI NIKET, 5, CAMAC STREET, CALCUTTA, STATE OF WEST BENGAL, INDIA.

Application No. 53/Cal/78 filed January 16, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A pilfer proof housing for an electrical meter comprising : the conventional back plate with projecting side walls and top and base walls in which to the base of the cover bowl is fitted at least one sealing bracket which sealing bracket is adapted to extend into the terminal block cover when fitted and this sealing bracket is secured by means of a sealing screw to a vertical guide plate fitted at the base wall of the back plate such that when the terminal block is fitted below the cover bowl, the sealing screw will be concealed within the said terminal block cover, and means being also provided for locking the said terminal block cover to the terminal block assembly.

CLASS 153.

146498.

Int. Cl.-B24b 5/14, 7/00.

A TAIL STOCK FOR USE WITH A CYLINDRICAL GRINDING MACHINE.

Applicant : BHARAT HEAVY ELECTRICALS LTD., AT 18-20, KASTURBA GANDHI MARG, NEW DELHI-110 001, INDIA.

Inventor : MIRZA VILAYAT ALI.

Application No. 223/Del/77 filed September 3, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims

A tailstock for use with a cylindrical grinding machine capable of grinding both plain and tapered surfaces comprising a base plate slantly held to a slide, a swivel plate pivotally held to said base plate, a tail stock body held to said swivel plate and capable of having an axial movement along said slide characterized in that tailstock having a first swivelling movement to form an inclined axis with respect to the axis of said slide and a second movement, perpendicular to said inclined axis.

CLASS 93.

146499.

Int. Cl.-B22f 9/00.

METAL FLAKE PRODUCTION.

Applicant : ALUMINUM COMPANY OF AMERICA, OF ALCOA HOLDINGS, PITTSBURGH, STATE OF PENNSYLVANIA, U.S.A. & U.S.A. OF AMERICA.

Inventor : J. D. COOPER.

Application No. 287/1 filed October 3, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

16 Claims

A method of forming metal flake from metal particles, comprising :

(a) continuously charging to a ball mill metal particles, lubricant and solvent to provide a mix in the mill comprising 35 to 65 wt. % metal particles, 0.4 to 7 wt % lubricant, the remainder solvent;

(b) operating the mill to form said metal flake;

(c) removing a portion of the metal flake, liquid and milling material from the mill at a rate commensurate with said charging thereto; and

(d) separating the milling material from the liquid and metal flake.

CLASS 98E.

146500.

Int. Cl.-F24j 3/04.

A FLUIDISED BED PROCESS HEATER.

Applicant : DORR-OLIVER INCORPORATED, OF 77 HAVEMEYER LANE, STAMFORD, CONNECTICUT, UNITED STATES OF AMERICA.

Inventor : WALTER WILHELM JUKKOLA.

Application No. 437/Del/77 filed December 6, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

11 Claims

A fluidized bed process heater comprising a vessel of toroidal configuration having an outer wall and a generally concentric inner wall, a horizontal annular constriction plate extending between said outer and inner walls and separating a heater chamber in the upper portion of said vessel from a windbox occupying the lower portion of said vessel, said constriction plate being capable of supporting a fluidized bed of particulate solids thereon, a plurality of heat exchanger coil units within said vessel, said coil units each having a planar serpentine tube element composed of horizontal runs of tubing serially joined by return bends, the horizontal runs of tubing of each coil unit extending inwardly through the fluidized bed region of said heater chamber along a radius of said vessel with the plane of said coil unit in vertical orientation and means supporting said coil units at said outer and inner walls.

Opposition Proceedings

(1)

An opposition has been entered by Dunlop India Limited to the grant of a patent on application No. 145484 made by Forbes Campbell Co., Ltd.

(2)

An opposition has been entered by Macneill & Magor Limited to the grant of a patent on application No. 145681 made by Council of Scientific and Industrial Research.

(3)

Application for Patent No. 142513 made by Metallgesellschaft A.G., an Opposition to the grant of a Patent on which was entered by the Council of Scientific & Industrial Research was notified under this heading in Part III, Section 2 of the Gazette of India dated the 4th February 1978, has been treated as abandoned.

PATENTS SEALED

125022 143454 143459 143460 143461 143569 143579 143580
 143582 143585 143588 143600 143815 143820 143824 143827
 143830 143835 143856 143864 143871 143875 143880 143881
 143889 143890 143899 143904 143910 143918 143922 143925
 143957 144085 144088 144046 144048 144057 144058 144059
 144071 144073 144077 144081 144083 144084 144085 144097
 144115 144125 144132 144149 144152 144153 144157 144164
 144165 144173 144182 144286.

COMMERCIAL WORKING OF PATENTED INVENTIONS

CHEMICAL LIST NO. VIII

The following patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146 (2) of the Patents Act, 1970 in respect of calendar year 1977 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purposes.

S. No.	Patent No.	Date of Patent	Name and address of Patentee	Brief title of the invention
1	2	3	4	5
1.	136395	29-9-1972	UNION CARBIDE CORPORATION, of 270 Park Avenue, New York, State of New York 10017, U.S.A.	Reduced mercury containing zinc alkaline cells.
2.	136408	30-8-1972	CIBA GEIGY AG; of 141 Klybeckstrasse, Basle, Switzerland.	Manufacture of new diazo pigments.
3.	136420	22-7-1972	FARBWERKE HOECHST AG, of 45 Biringstrasse, Frankfurt/Main 80, FRG.	Polymerisation of α -olefins.
4.	136450	10-10-1972	THE WELLCOME FOUNDATION LIMITED, of 183-193 Easton Road, London, N.W. 1, England.	Preparation of 2, 4 diamino 5 benzyl Pyrimidine.
5.	136459	31-7-1972	UOP INC., at Ten UOP Plaza—Algonquin and Mt. Prospect Roads, Des Plaines, Illinois, U.S.A.	Production of aryl substituted N—paraffins.
6.	136474	15-5-1972	RHONE—POULENC INDUSTRIES, of 6 rue Piccini, Paris 16, eme, France.	Manufacture of carbon-di-sulphide.
7.	136485	20-4-1972	F. HOFFMANN—LA ROCHE & CO., AG of 124-184 Grenzacherstrasse Basle, Switzerland.	Manufacture of benzodiazepine derivatives.
8.	136488	15-5-1972	MUNDIPHARMA, at Bahnhofstrasse 36, CH 4310 Rheinfelden, Switzerland.	Preparation of a slow release pharmaceutical composition.
9.	136502	20-4-1972	The UP JOHN COMPANY, of 301 Henrietta Street, Kalamazoo, Michigan, U.S.A.	Process for making halogenated lincomycin derivatives.
10.	136503	20-4-1972	" " "	" " "
11.	136538	26-7-1972	ARTOS DR. ING. MEIER ETC., of 2 Hamburg 1, Heindenkamsweg 66, FRG.	Combined pre-cleaning bulking development, bulking stabilisation and dyeing of textile webs of synthetic fibres.
12.	136579	18-5-1972	SCHENECTADY CHEMICALS INC., at P.O. Box 1046, Schenectady, New York, U.S.A.	Preparation of amide-imide-hydantoin polymers, for wire enamels.
13.	136599	30-5-1972	UNILEVER LIMITED, of Unilever House, Blackfriars, London, E.C.4, England.	Preparation of instant tea powder.
14.	136608	25-7-1972	AMERICAN CYANAMID CO., of Wayne, New Jersey, U.S.A.	Preparation of novel 1, 2—dialkyl 3, 5—diphenyl Pyrazolium salts.
15.	136611	28-11-1973	IMPERIAL CHEMICAL INDUSTRIES LTD., of Imperial Chemical House, Millbank, London SW1, England.	Preparation of dcs-lys 29- ala-30 porcine insuiynor.
16.	136614	26-8-1972	SHELL INTERNATIONALE RESEARCH MAAISCHAPPIJ B.V. of Carel van Bylandtlaan 30, The Hague Netherlands.	Concentration and purification of aqueous solutions of ethylene oxide.
17.	136638	18-5-1972	VYZKUMNY USTAV ORGANICKYCH etc., of Pardubice-Rybitvi, Czechoslovakia.	Automatic production of azodyestuffs.
18.	136681	30-5-1973	LABAZ, of 39 Avenue Pierre de Scbie, 75008, Paris, France.	Preparation of beno(b) thiophene derivatives.
19.	136696	20-4-1972	PFOZER INC., of 237 East 42nd Street, New York, State of New York, U.S.A.	Preparation of 3,4—dihydro-6, 7—substituted 2, 3-lower alkyl—4-oxo-1 (2H) quinazole Carboxylic acid derivatives.
20.	136717	7-10-1972	HINDUSTAN LEVER LIMITED., at Hindustan lever House, 165/166 Backbay Reclamation, Bombay-20.	Preparation of provolona cheese flavouring composition.
21.	136752	26-9-1972	GLAVERBEL MECHANIVER, of 166 Chausee De La Halpe, Watermaelbois fort, Belgium.	Process of colouring a glass body.
22.	136753	24-11-1972	SHELL INTERNATIONALE RESEARCH MAAISCHAPPIJ B.V., of Carel van Bylandtlaan 30, The Hague, Netherlands.	Production of hydrogen.
23.	136768	27-7-1971	JOHNSON & JOHNSON, of 501, George Street, New Brunswick, New Jersey, U.S.A.	Synthetic resin binder composition.

1	2	3	4	5
24.	136788	13-9-1972	KAUTEX-WERK REINHOLD HAGEN, 5300 Bonn Hdzlar 1, West Germany.	Apparatus for producing hollow articles of thermoplastic synthetic resin by a blowing process.
25.	136792	30-5-1973	MONSANTO COMPANY, at 800 North Lindbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	Production of N-phosphonomethyl glycine.
26.	136811	15-6-1973	JOHNSON & JOHNSON, of 501 George, Street New Brunswick, New Jersey, U.S.A.	Preparation of acrylate adhesive composition.
27.	136819	21-10-1971	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., of Carel van Bylandtlaan 30, 2w Hague, Netherlands.	Process for effecting direct oxidation of ethylene.
28.	136841	4-7-1972	AMERICAN CYANAMID CO., of Wayne, New Jersey, U.S.A.	Preparation of 2,6-dinitroanilines.
29.	136842	5-5-1972	BRISTOL-MYERS COMPANY, at 345 Park Avenue, New York, State of New York, U.S.A.	Rearrangement of 6-acylamidopenicillanic acid sulfoxide.
30.	136843	26-4-1972	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., of Carel Van Bylandtlaan 30, 2w, Hague, Netherlands.	Recovery of ethylene oxide.
31.	136844	15-9-1972	INTERNATIONAL NICKEL LIMITED, of Thames House, Millbank, London SW1, England.	Preparation of nickel chromium steel casting.
32.	136865	11-9-1972	PFIZER INC., of 235 East, 42nd Street, New York, State of New York, U.S.A.	Preparation of carboxyaryl-methyl and α -carboxyloxyaryl methyl penicillins.
33.	136886	12-12-1972	HINDUSTAN LEVER LIMITED at Hindustan lever House, 165/166 Back-bay Reclamation, Bombay-20.	Improving the bacteriological quality of protease.
34.	136930	5-3-1973	METALLGESELLSCHAFT ETC., of 16 Frankfurt Am, Reuterweg 14, West Germany.	Producing spongy iron.
35.	136944	17-9-1973	C.S.I.R. at Rafi Marg, New Delhi-1, India	Synthesis of 3-(5-hydroxybenzo cycloaldehyde-oxy)-2 hydroxypropyl-amines.
36.	136947	9-8-1972	ELI LILLY & CO., of 740 South Alabama Street, Indiana, U.S.A.	Preparation of novel quinoline compounds.
37.	136950	16-8-1972	SNAMPROGETTI S.P.A., of 16 Carzo Venezia, Milan, Italy.	Production of unsaturated nitriles.
38.	136951	23-2-1973	" " "	Production of clastomeric latex.
39.	136953	1-8-1973	THE UNIVERSITY OF ILLINOIS FOUNDATION, at 224, Illini Union, Urbana, Country of Champaign, Illinois, U.S.A.	Preparation of Soyabean beverage base.
40.	136957	25-7-1972	MICHIRO INOUE, MASAYUKI ISHIKAWA, TAKASHI ISUCHIYA & TAKIO SHIMAMOTO, all Japanese Nationality.	Preparation of phthalazone derivatives.
41.	136964	5-9-1972	CIBA-GEIGY AG., of 141 Klybeckstasse, Basle, Switzerland.	Manufacture of new disazo pigments.
42.	137002	5-5-1972	PFIZER CORPORATION, of Calle 15, Avenida Santa Isabel, Colon, Republic of Panama.	Preparation of dextro-rotatory form of tetrahydroquinoline compounds.
43.	137023	15-12-1972	HINDUSTAN LEVER LIMITED, at Hindustan lever House, 165/166 Back-bay Reclamation Bombay-20.	Preparation of supported nickel catalyst.
44.	137025	6-9-1972	VAKUUM VULK HOLDINGS LTD., of 360, Queen Street, Nassau/Bohmas.	Retreading & vulcanising process.
45.	137029	29-7-1972	PFIZER CORPORATION, of Calle 15, Avenida Santa Isabel, Colon, Republic of Panama.	Preparation of diagnostic seagent for australis antigen.
46.	137040	20-4-1972	" " "	Preparation of N-Phenyl indoline derivatives.
47.	137046	7-8-1972	C.S.I.R. at Rafi Marg, New Delhi- 1, India.	Demineralisation of natural or beneficiated graphites.
48.	137049	29-11-1972	SOLVAY & CIE, of 33, Rue du Prince Albert, B-1050, Brussels, Belgium.	Polymerisation of olefins.

1	2	3	4	5
49.	137050	20-12-1972	SOCIETE ANONYME DES ETABLISSEMENTS ROURE-BERTRAND FILS & JUSTIN DUPONI, of 17, Bis rule Legendre, Paris, France.	Preparation of methyl (2-n-propyl-3-Keto-cyclopent-1-yl)
50.	137060	3-10-1972	IMPERIAL CHEMICAL INDUSTRIES LTD., of Imperial Chemical House, Millbank, London, SW1, England.	Preparation of reduced water permeability and a detonating fuse-cord containing same.
51.	137079	7-11-1972	FIFRRO ESPONJA S.A., Avenida Los Angeles, at Oriente Monterrey, N-L, R. Mexico.	Reduction of particulate metal ore.
52.	137101	25-6-1973	SHELL INTERNATIONALE RESEARCH MAAISCHAPPIJ B.V., of Carel Van Bylandtlaan 30, 2W, Hague, Netherlands.	Partial combustion of carbonaceous fuels to produce substantially soot free gases.
53.	137113	21-3-1972	THE LUBERIZOL CORPORATION, at P.O. Box 3057, Euclid Station, Cleveland, Ohio 44117, U.S.A.	Preparation of oil-soluble basic barium containing compositions.
54.	137116	10-10-1972	THE WELLCOME FOUNDATION LTD, of 183-193 Euston Road, London, N.W. 1, England.	Preparation of 2,4-diamino-S-benzylpyrimidines.
55.	137130	15-1-1973	SOCIETE ANONYME DES ESTABLISSEMENTS ROURE-BERTRAND FILS & JUSTIN DUPONI, of 17, Bis Rule Legendre, Paris, France.	Preparation of naphthopyrans.
56.	137135	14-8-1972	POLITECHNIKA GDANSKA, of 11/12 Majakoskicgo Street, Gdansk-Warzesz, Poland.	Preparation of derivatives of polyene macrolide antibiotics.
57.	137136	12-9-1972	WESTINGHOUSE ELECTRIC CORPORATION, of Pittsburgh, Pennsylvania, U.S.A.	Preparation of cured resinous composition.
58.	137163	2-8-1972	HOECHST AG., of 6230, Frankfurt/Main, FRG.	Preparation of aromatic diamines.
59.	137185	19-10-1972	GLAVERBEL MECANIVER, of 166 Chaussee De La Hulpe, Watermaelboisfort, Belgium.	Treating body of vitreous material.
60.	137197	20-6-1972	IMPERIAL CHEMICAL INDUSTRIES LTD., of Imperial Chemical House, Millbank, London, S.W.1, England.	Manufacture of bipyridyls.
61.	137198	27-9-1972	PHILLIPS PETROLEUM COMPANY, of Bartlesville, Oklahoma, U.S.A.	Preparation of metal salt of aromatic carboxylic acid.
62.	137199	12-6-1973	RECHERCHES PHARMACEUTIQUES ET SCIENTIFIQUES, of 6, rue Lincoln, Paris (8 ^e me), Fr. n.c.	Preparation of 5-Substituted cysteines & cysteine esters.
63.	137230	14-11-1972	SNAMPROGETTI S.P.A., of 16 Carso Venezia Milan, Italy.	Catalytic production of unsaturated nitriles.
64.	137244	1-2-1973	SHERRITT GORDON MINES LTD., of Commerce Court West, Tornoto, Ontario, Canada.	Recovery and separation of nickel and cobalt from reduced laterite, nickel ore.
65.	137274	28-4-1973	VIKRAM SARABhai SPACE CENTRE, ISRO POST, Trivandrum 69122, Kerala State, India.	Preparation of a w phenolic resins.
66.	137275	17-7-1972	HINDUSTAN LEVER LTD., of Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-20.	Skin moisturiser based on glutamic acid.
67.	137279	12-10-1973	CIBA-GEIGY OF INDIA LTD., of Aarey Road Goregaon East, Bombay-63, Maharashtra, India.	Preparation of dyestuff.
68.	137307	18-7-1972	HOECHST AG., of 6230 Frankfurt/Main 80, FRG.	Preparation of new modification of monoazo pigments.
69.	137308	1-8-1972	CIBA-GEIGY AG., of Klybeckstrasse 141, Basle, Switzerland.	Manufacture of azo dyestuffs.
70.	137316	5-10-1972	IMPERIAL CHEMICAL INDUSTRIES LTD., of Imperial Chemical House, Millbank, London SW1P 3JP, England.	Manufacture of diphenylamine & substituted derivatives thereof.
71.	137349	26-7-1973	THYSSEN NIEDERRHEIN AG., of 42 Oberhausen, Essener Strasse 66, FRG.	Installation for the reduction of iron ores by direct reduction method.
72.	137350	29-1-1974	AGENCE NATIONALE DE VALORISATION DE LA RECHERCHE, of 13 rue Madeleine Michelis, NEUILLY-SUR-SEINE, HAUTS-de-Seine, France.	Production of an antigen fractions.

1	2	3	4	5
73.	137360	12-7-1972	HOECHST AG., of 45 Brumigstrasse, Frankfurt/Main 80, FRG.	Evaporation inhibiting additive for concentrated dispersions of plant protection products.
74.	137380	16-7-1973	HINDUSTAN LEVER LIMITED, at Hindustan Lever House, 165/166 Backbay Reclamation Bombay-400 020.	Soap tablets.
75.	137388	12-10-1973	CIBA-GEIGY OF INDIA LTD., of Aarey Road, Goregaon East, Bombay-63, Maharashtra, India.	Dying and printing of textile material
76.	137410	30-9-1972	Hindustan Lever Ltd. of Hindustan Lever House, 165/166, Backbay Reclamation, Bombay-20.	Transluscent tooth paste.
77.	137411	23-10-1972	Do.	Visually clean dentifrice.
78.	137425	20-2-1973	C.S.I.R., at Rafi Marg, New Delhi-1, India.	Manufacture of asbestos cement.
79.	137507	20-3-1974	HINDUSTAN LEVER LTD., at Hindustan Lever House, 165/166, Backbay Reclamation, Bombay-20.	Dehydroxylation of hardened castor oil.
80.	137515	29-11-1972	SNAMPROGETTI S.P.A. of 16, Corso Venezia, Milan, Italy.	Polymerisation of olefins.
81.	137523	20-4-1972	HOLCHST AG., of 6230 Frankfurt/Main 80, FRG.	Preparation of benzodiazepines.
82.	137528	26-8-1974	AMERICAN HOME PRODUCTIONS CORPORATION, at 685 third Avenue, New York, N. Y. 10017, U.S.A.	Preparation of crystalline sodium, 6-(1-amino-cyclohexane carboxamide)-Penicillanate.
83.	137545	20-10-1972	HOECHST AG., of 6230 Frankfurt/ Main 80	Preparation of readily dispersible pigments.
84.	137549	5-11-1973	CIBA-GEIGY OF INDIA LTD., of Aarey Road, Goregaon East, Bombay-63, Maharashtra, India.	Dying and printing textile material of synthetic organic fibre.
85.	137592	19-9-1972	HOECHST AG. of 6230, Franakfurt/Main 80 FRG.	Preparation of pigment composition for dyeing of polyacrylonitrile.
86.	137612	13-7-1973	SNAMPROGETTI S.P.A. of 16, Corso Venezia, Milan, Italy.	Polymerisation of olefins.
87.	137615	16-8-1972	GIST BROCADES NV., of 1, Wateringeweg, Delft, Holland	Preparation of 7-substituted amino-Desacetoxy cephalosporanic acid derivatives.
88.	137618	10-10-1973	C.S.I.R. at Rafi Marg, New Dehli-1, India.	Preparation of resin binder for use in electrophotographic zinc oxide coatings.
89.	137630	16-7-1973	Do.	Reduction of Phosphorous content from high phosphorous manganese ores by selective leaching. •
90.	137638	15-12-1972	HINDUSTAN LEVER LTD., at Hindustan Lever House 165/166 Backbay Reclamation, Bombay-20.	Inhibiting corrosive action on an aluminium tooth paste tube.
91.	137714	28-11-1973	SANKYO CO. LTD., of 1-6, 3-Chome, Nihonbashi Honcho, Chuo, Tokyo and UBF INDU LTD., of 12-32, 1-Chome Nishi Honmachi, Ube-shi Yamaguchi Ken, Japan.	Preparation of n-substituted tetrachlore phthalamic acid derivatives.
92.	137738	18-8-1972	HINDUSTAN LEVER LTD., of Hindustan Lever House,165/166 Backbay Reclamation, Bombay-20.	Preparation of cyclosaliphatic monoterpenic alcohol.
93.	137849	31-7-1973	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., of Carel van, Bylandstraat 30, 2nd Hague, Netherlands.	Manufacture of gases Containing hydrogen & carbon monoxide.
94.	137872	30-11-1972	HOECHST AG. of 6230 Frankfurt/Main 80,	Preparation of novel soluble disazo dyestuffs.
95.	137892	4-12-1972	HINDUSTAN LEVER LTD., at Hindustan Lever House 165/166 Backbay Reclamation, Bombay. -20.	Hair control preparation.
96.	137895	22-1-1973	UNION CARBIDE CORPORATION OF 270 Park Avenue New York, State of New York, U.S.A.	Selective absorption process air separation.
97.	137901	20-4-1972	BRISTOL-MYERS COMPANY, at 630 Fifth Avenue New York, State of New York, U.S.A.	Preparation of penicillin compounds. .

1	2	3	4	5
98.	137910	13-12-1972	FARBWERKE HOECHST AG., of 45-Bruningstrasse, Franakfurt/Main 80, FRG.	Production of ch'orine.
99.	137960	1-3-1973	CELANESE CORPORATION- at 522 Fifth Avenue New York, U.S.A.	Smoking composition.
100.	137976	14-10-1971	THE MEAD CORPORATION, of Talbott Town, Dayton, Ohio 45402, U.S.A.	Preparation of water proofed catalyst Composition.
101.	137979	8-12-1972	HINDUSTAN LEVER LIMITED, at Hindustan Lever House 165/166 Backbay Reclamation, Bombay-20.	Preparation of stablished, Mustardseeds flavour ingredients.
102.	138020	16-12-1972	C.S.I.R., at Rafi Marg, New Delhi-1, India.	Production of coated ferrous such as coated mild steel sheets/strips with compositions based on vinyl chloride.
103.	138027	10-8-1973	DR. INC. CHRISTIAN AUGUSR MEIER, at 2101 Lindhurst Uber, Homburg-Harbury, FRG.	Continuous treatment of webs with hot liquids.
104.	138032	18-7-1973	NAARDEH INTERNATIONAL N.V. of Haizerstraat-weg 28, Naarden, 2nd Netherlands.	Preparation of ses-quiterpene ketones.
105.	138062	20-4-1972	AMERICAN HOME PRODUCTS CORPORATION, of 685 third Avenue, New York, N. V. 10017, U.S.A.	Preparation of steroid compounds.
106.	138063	Do.	Do.	Do.
107.	138099	20-3-1975	INDIAN JUTE INDUSTRIES RESEARCH ASSOCIATION, at 17, Naratola Road, Calcutta, India.	Production of cellulolytic.
108.	138109	9-11-1972	HOECHST AG., of 6230 Frankfurt/Main 80, FRG.	Preparation of oil soluble dyestuff mixtures.
109.	138111	27-12-1972	F. HOFFMANN-LA ROCHE & CO., AG., of 124-184 Grenzacherstrasse, Basle, Switzerland.	Manufacture of spirolactones.
110.	138128	16-10-1973	HINDUSTAN LEVER LTD., at Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-20.	Preparation of super fatted soap bars.
111.	138129	16-8-1972	SNAMPORGETTI S.P.A. Corso Venezia, Mil'n, Italy.	Production of unsaturated nitriles.
112.	138131	20-10-1972	KONINKLIOKE EMBALLAGE INDUSTIE VANLEER B. V. of Amsterdamsweg 206, Amstelveen, 2nd Netherlands.	Pretreating metal surfaces. Particularly steel surfaces.
113.	138132	31-10-1972	CELANESE CORPORATION, of 522 Fifth Avenue New York, State of New York, U.S.A.	Preparation of molding resin composition.
114.	138156	30-8-1973	STICHTING BEORIDVEN VAN HET NEDERLANDS INSTITUUT VOOR ZUIVELONDERZOEK, of Kernhem-seweg, 2, Ede, 2nd, Netherlands.	Preparation of fat emulsion.
115.	138167	1-12-1972	UOP INC, at Ten UOP Plaza-Algonquin and Mt. Prospect Roads, Des Plaines, Illinois, U.S.A.	Reforming of hydrocarbons.
116.	138168	3-1-1973	HOECHST AG., of 6230, Frankfurt/Main 80, FRG.	Preparation of new water insoluble disazo dyestuffs.
117.	138179	20-4-1972	HERCHEL SMITH, of 500 Chestnut Lane, Wayne, Delaware County, Pennsylvania, U.S.A.	Preparation of steroid compounds.
118.	138180	Do.	Do.	Do.
119.	138181	Do.	Do.	Do.
120.	138182	Do.	Do.	Do.
121.	138183	19-10-1972	ALUMINIUM COMPANY OF AMERICA, of Alcoa Building Pittsburgh, Pennsylvania, U.S.A.	Continuous production of aluminium.

1	2	3	4	5
122.	138185	24-11-1973	MONSANTO COMPANY, at 800 North Lindbergh, Boulevard, St. Louis, Missouri 63166, U.S.A	Production of <i>n</i> -organo- <i>n</i> -phosphono methyl glycine- <i>n</i> -oxides & salts thereof.
123.	138194	5-5-1973	HOECHST AG., of 45 Bruningstrasse, Frankfurt/Main 80, FRG.	Preparation of pesticidal composition.
124.	138202	6-9-1973	KYOWA HAKKO KOGYO CO., LTD., of 6-1 Ohtemachi Chiyoda-ku-Japan.	Production of antibiotic XK-4a-1-B-2.
125.	138204	18-3-1974	PFIZER INC., of 235 East, 42nd, Street, New York State, of New York, U.S.A.	Preparation of methyl-3-(2-quinoxalinyl-methylene) carbazole- <i>n</i> ' Δ^4 -xide.
126.	138206	20-4-1972	CIBA OF INDIA LTD. of Aarey Road, Goregaon East, Bombay-63, Maharashtra India.	Preparation of Oxazepine derivatives.
127.	138207	20-4-1972	Do.	Do.
128.	138210	28-2-1973	SNAMPROGETTI S.P.A., of 16 Corso Venezia, Milan, Italy.	Production of catalytic compositions suitable for use with oxidation of olefins.
129.	138230	10-4-1973	HAYASHIBARA BIOCHEMICAL LABORATORIES INC., of No. 2-3, 1-Chome, Shimoishii, Okayama-ken, Japan.	Stabilising and reducing the nutritional value of a food material.
130.	138236	20-4-1972	ELI LILLY CO., of 740 South Alabama Street, Indianapolis, Indiana, U.S.A.	Preparing intermediate compounds in preparing cephalosporin compound.
131.	138237	4-9-1972	ALUMINIUM COMPANY OF AMERICA, of Aloca Building, Pittsburgh, Pennsylvania, U.S.A.	Aluminium chloride.
132.	139248	14-6-1973	UCB, S.A., of 4, Chaussee De Charleroi, Saint-Gilles-Bruxelles, Belgium.	Preparation of 2H-3-isoquinolones.
133.	138257	20-3-1974	HINDUSTAN LEVER LIMITED, at Hindustan lever House, 165/166 Backbay Reclamation Bombay-20.	Treatment of rice bran oil.
134.	138260	1-3-1973	DUNLOP LIMITED, of Dunlop House, Ryder Street, St. James's London SW1, England.	Making elongated articles and polyolefin material.
135.	138270	13-9-1972	WESTINGHOUSE ELECTRIC CORPORATION, of Pittsburgh, Pennsylvania, U.S.A.	A resin composition and an electrical member coated therewith.
136.	138312	26-6-1974	C.S.I.R., at Rafi Marg, New Delhi-1, India.	Preparation of electrolytic Chromium Powder.
137.	138316	2-11-1972	SOCIETE DES MINES ET FONDERIES DE ZINC DE LA VIEILLE MONTAGNE, of B-4900 Angleur, Belgium.	Purifying zinc sulphate solutions.
138.	138320	2-3-1974	PFIZER INC., of 235 East, 42nd Street, New York, State of New York, U.S.A.	Preparation of sulfonylurea derivatives.
139.	138330	11-6-1973	MITSUBISHI GAS CHEMICAL CO., LTD., of 5-2 Maninouchi, 2-chome, Chiyoda-ku Tokyo, Japan.	Production of anhydrous sodium hydro-sulphite using sodium formate formic acid or formic acid esters.
140.	138333	12-10-1972	HORIZONS RESEARCH INC., of 23800, Merchantile Road, Cleveland, Ohio, U.S.A.	Preparation of Phosphazene polymers.
141.	138334	20-4-1972	JOHN WYETH & BROTHER LIMITED of Hunter-combe Lane South, Taplow, Maidenhead Berkshire England.	Preparation of indole derivatives.
142.	138335	Do.	Do.	Do.
143.	138336	Do.	THE WELLCOMF FOUNDATION LIMITED, of 183-193 Euston Road, London, N.W.1, England.	Preparation of 3 morpholino-2- cyanoacrylamides.
144.	138352	27-6-1974	RHONE-POULENC S.A. of 22, Avenue Montaigne, Paris 80, France.	Preparation of 3-Co. o-diethyldithiophosphorylmethyl-6-chloro-benzoxazolone).
145.	138358	25-1-1974	C.S.I.R., at Rafi Marg, New Delhi-1, India.	Preparation of superior quality of agar from India red sea weed.

PATENTS DEEMED TO BE ENDORSED WITH
THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No. Title of the invention

135414 (16-3-71) Process for polymerisation of olefin.
 137101 (25-6-73) Process and apparatus for the partial combustion of carbonaceous fuels to produce substantially soot free gases.
 137128 (12-9-72) Process for purification of rice bran oil.
 137152 (6-2-73) Process for preparing new aminopropane derivatives.
 137193 (13-6-73) Continuous process for refining sulfide ores and an apparatus therefor.
 137198 (27-9-72) Process for preparing a metal salt of aromatic carboxylic acids.
 137199 (12-6-73) Process for preparing 5 substituted cysteins and cysteine esters.
 137219 (6-3-73) Process for preparation of succinylsuccinic acid diesters.
 137230 (14-11-72) Improved process for the catalytic production of unsaturated nitriles.
 137248 (27-2-73) Process for obtaining titanium dioxide having a controlled particle size.
 137254 (20-10-72) Process and apparatus for electrolytic production of high purity alkali metal hydroxide.
 137279 (12-10-73) Process for production of dyestuff preparation.
 137307 (18-7-72) New modified process for preparation of monoazo pigments.

RENEWAL FEES PAID

93697 94314 94779 99571 99573 100177 100240 100278
 100306 102820 102821 102822 102823 105582 105649 105795
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 112009 112226 112512 113638 113639 115761 115937 116076
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 122007 122938 123980 123981 126571 126693 126718 126890
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 131608 131725 132282 133324 135469 135945 136227 136344
 136359 136381 136652 136735 136995 136996 137112 137113
 137364 137840 137904 133077 138154 138289 138658 138773
 138777 139093 139101 139179 139383 139423 139434 139442
 139761 139836 140084 140199 140451 140903 140991 141077
 141209 141217 141314 141476 141642 141672 141694 141800
 141815 141851 141865 141879 142126 142177 142774 142790
 142864 142930 143186 143339 143719 143750 143784 143802
 143832 143860 143873 143877 143878 143891 143915 143946
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CESSATION OF PATENTS

117003 123382 126881 127103 127110 127120 127121 127129
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 127213 127229 127260 127274 127287 127288 127296 127304
 127307 127308 127310 127311 127313 127317 127324 127327
 127329 131326 132953 136336 136701.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. No. 145992. Mohammad Muqim, of 10/181 A, Khuraji Khas, Delhi-110051, Indian National "Vaccinator". September 5, 1977.

Class 1. No. 146708. Panjab Metals, 306, Lotus House, 33-A, Sir Vithaldas Thackersey Marg, Bombay-400 020, Maharashtra, India, an Indian proprietor firm. "Butter dish". February 20, 1978.

Class 1. No. 146769. Thoppil Koshy Cherian, an Indian National, Thoppil Putten Veedu, Puthiacavu, Mavelikara, Kerala State, India. "An anal dilator". March 2, 1978.

Class 1. No. 146785. The Secretary, Central Silk Board, (Ministry of Industry), Government of India, at "Meghdoot", 95-B, Marine Drive, Bombay-400002, Maharashtra, India. "A stand for reeling machine". March 6, 1978.

Class 1. No. 146797. Dattatraya Industries Private Limited, an Indian Company duly registered and Incorporated under the Companies' Act, 1956 at Satara Road, Pune-411009, Maharashtra, India. "Socket". March 13, 1978.

Class 1. No. 146798. Dattatraya Industries Private Limited, an Indian Company duly registered and Incorporated under the Companies' Act, 1956 at Satara Road, Pune-411009, Maharashtra, India. "Plug-socket assembly". March 13, 1978.

Class 1. No. 146884 to 146889. XIN Electrical and Engineering Co., G.I.D.C. Plot No. 34/35/36, Kanarsi, Udyognagar, Khambhat, (Dist. Kheda), Gujarat State, An Indian Partnership Firm. "Paper Clip". April 4, 1978.

Class 1. No. 146933. Mohideen Syed Meeran—Indian, N.I. Institute of Engineering, Amaravila P.O.S. Kerala State. "Cycle". April 13, 1978.

Class 1. No. 146959. Baldev Meherchand Gupta, An Indian Citizen, at 'Sarnath' B-Bldg, Sophia College Road, Bhulabhai Desai Road, Bombay-400 026, Maharashtra, India. "Serving fork". April 20, 1978.

Class 1. No. 146965. Jeewan Metal Industries, Circular Road, Rewary (Harvana), an Indian partnership concern. "Coffee machine". April 22, 1978.

Class 1. No. 146966. M/s. V. G. Plastics, 337, A-Z, Industrial Estate, Fergusen Road, Lower Parel, Bombay-400 013, Maharashtra State, an Indian Proprietary Concern. "Torch". April 22, 1978.

Class 1. No. 146968. Thapar Industries, 335, Industrial Area, Chandigarh, a proprietorship concern. "Padlock". April 22, 1978.

Class 1. No. 146969. Punjab Metals, 306 Lotus House, New Marine Lines, Bombay, Maharashtra, India, a Hindu Undivided Family firm. "Tea por". April 22, 1978.

Class 1. Nos. 146974 and 146975. Lakhmi Chand & Sons, 192, Prhlad Nagar, Meerut-U.P., an Indian Proprietary Concern. "Milk Tester". April 24, 1978.

Class 1. No. 146992. Parkash Hardwares, 5620 Basant Road, Pahar Ganj, New Delhi, an Indian Sole Proprietary Concern. "Glass runner". April 29, 1978.

Class 1. No. 147036. Maxi Industries, 1/256, Panja Sharif, Kashmere Gate, Delhi-6 (an Indian Partnership Firm), "Rear view mirror". May 6, 1978.

Class 1. No. 147038. Bonafide Industrial Works, a registered partnership firm, No. 2 Singh Industrial Estate, Ram Mandir Road, Goregaon (West), Bombay-400 062, State of Maharashtra, India. "Lock". May 6, 1978.

Class 1. No. 147055. Madanlal Kedarnath Gupta, Indian National, of 20, Wadi Bunder Road, Mazgaon, Bombay-400 010, Maharashtra, India. "Bowl". May 11, 1978.

Class 1. No. 147056. Kamalnain Kedernath Gupta, Indian National, of 20, Jeenabhai Mulji, Rathod Marg & Hussain Patel Marg, Mazgaon, Bombay-400010, Maharashtra, India. "Jug". May 11, 1978.

Class 1. No. 147062. Ramdas Nathubhai Shah, Indian National, of 589, Rasta Peth, Pune 411011, State of Maharashtra, India. "Water heater". May 12, 1978.

Class 1. No. 147139 & 147140. The Jay Engineering Works Ltd., of 225-C, Acharya Jagadish Bose Road, Calcutta-700 020, State of West Bengal, India, a Company incorporated in India. "Fan". May 31, 1978.

Class 1. Nos. 147141 to 147146. The Jay Engineering Works Ltd., of 225-C, Acharya Jagadish Bose Road, Calcutta-700020, State of West Bengal, India, a Company incorporated in India. "Sewing machine". May 31, 1978.

Class 1. Nos. 147164 to 147171. Allin International, 132, Dispensary Road, Garia-743505, 24 Parganas, West Bengal, an Indian Partnership Firm. "Paper clip". June 6, 1978.

Class 1. No. 147172. The Jay Engineering Works Ltd., of 225-C, Acharya Jagadish Bose Road, Calcutta-700020, State of West Bengal, India, a Company incorporated in India. "Fan". June 6, 1978.

Class 1. No. 147177. Sundeep Dulichand Naik, an Indian Citizen, 1097, Shukrawar Peth, Poona 411002, Maharashtra, India. "A sprinkler". June 6, 1978.

Class 1. No. 147179. M/s. Hindustan Sales and Industrial Corporation, E/101, Viswakarma Industrial Area, Jaipur 13 (Raj), an Indian Partnership concern. "Handloom machine". June 7, 1978.

Class 1. No. 147200. New Chaman Lock Works, Balai Oila, Upper Fort, Aligarh, U.P. an Indian Partnership concern. "Lock". June 9, 1978.

Class 3. No. 146694. Pams Industries, of Unit No. 9, Ground Floor, 4-B, Shanti Nagar, Vakola, Santa-cruz East, Bombay-400055, State of Maharashtra, India, a partnership firm registered under Indian Partnership Act. "Soap box". February 17, 1978.

Class 3. No. 146752. Mohan Ortmann & Herbst Limited, Sardar Mohan Singh Building, Connaught Line, New Delhi-110001, India, an Indian Company. "A carrier for support and transport of bottles". February 27, 1978.

Class 3. No. 146773. Anil Verman of A-2, Defence Colony, New Delhi-110034, Indian and Harish Talwar of 44 Ring Road, Lajpat Nagar, Part-II, New Delhi-110024, India, both Indian Nationals. "Wallet". March 3, 1978.

Class 3. No. 146787. John Denis Narona-India, of Denmol Engineering Co., 86-AB, 2nd Tank Road, Dominic Colony, Orlem, Malad, Bombay-400064. "Peg-measure". March 7, 1978.

Class 3. No. 146791. Ramesh & Co., Nekhosa Bazar, Saharanpur, Uttar Pradesh, a firm registered under the Partnership Act, 1932. "Shoe sole". March 8, 1978.

Class 3. Nos. 146802 & 146803. Aerosol Services (India) Private Limited, a company existing under the Companies Act, 1956, of India. Cecil Court, Lansdowne Road, Bombay-400039 State of Maharashtra, India. "A plastic bottle". March 14, 1978.

Class 3. Nos. 146804 to 146806 & 146808. Aerosol Services (India) Private Limited, a company existing under the Companies Act, 1956, of India, Cecil Court, Lansdowne Road, Bombay-400039, State of Maharashtra, India. "Lighters". March 14, 1978.

Class 3. Nos. 146827 & 146828. Vora Manufacturing Company, Unit No. C. 18, Udyog Sadan No. 1, Opp. Marol Bus Depot, Central Road, M.I.D.C. Andheri (East) Bombay-400093, Maharashtra State, An Indian Partnership Firm. "Containers". March 20, 1978.

Class 3. No. 146915 & 146916. Press Metal Corporation Pvt. Ltd., a company incorporated in India under the Companies Act, 1956 and having its registered office at Andheri Kurla Road, Marol, Andheri, Bombay-400059. State of Maharashtra, India. "Electrical conduits and electrical ducts and accessories". April 10, 1978.

Class 3. No. 146938. Dolly Toys Industries, a registered partnership firm of D-34, Rajouri Garden, New Delhi-110027, India. "Toys". April 14, 1978.

Class 3. No. 146952. Applied Electronics Limited, A Company incorporated under the provisions of Indian Companies Act, of 'Aplab House', A-5, Wagle Industrial Estate, Than 400604. State of Maharashtra, India. "Numerical display board". April 17, 1978.

Class 3. No. 146972. Sothi Stores, an Indian Partnership Concern 2633, Shadipur, New Delhi-110008, India. "Water filter". April 22, 1978.

Class 3. No. 146973. Mahaveer Plastics, an Indian Proprietary Concern, 4780, Deputy Gazi, Sadar Bazar, Delhi-110006, India. "Fuel filter". April 22, 1978.

Class 3. No. 146978. Jaiki Industries, Unit No. 4-5, Bussa Industrial Estate, Behind Century Bazar, Worli, Bombay-400 025, Maharashtra, an Indian Partnership Firm. "Mirror-cum-photoframe". April 25, 1978.

Class 3. No. 146979. Rumi Plastics, 8A, Indian Metal Forging and Rolling Mills Compound, Lal Bahadur Shastri Marg, Vikhroli (West), Bombay-400085, Maharashtra, an Indian Partnership Firm. "Water bottle". April 25, 1978.

Class 3. No. 146982. Young Sok Suh, 106, 24 Dong, Sinyongsan Apartment, Dongbu Echondong, Yong-sanku, Seoul, Korea, Korean by nationality. "Manual washer". February 16, 1978 (Australia).

Class 3. Nos. 146997 to 147000. U. S. Products, a registered partnership firm having its office at 108/109, Lohe Ki Chawl, Maulana Azad Road, Bombay-400008, Maharashtra, India. "Bottle". April 29, 1978.

Class 3. Nos. 147005 and 147006. Tobu Enterprises Private Limited, 8/29, Industrial Area, Kirti Nagar, New Delhi-110015, (India) an Indian Company. "Tri-cycle". May 1, 1978.

Class 3. No. 147016. V. G. Plastics, 337, A to Z Industrial Estate, Ferguson Road, Lower Parel, Bombay-400 013, Maharashtra State, Indian Proprietary Firm. "Torch". May 1, 1978.

Class 3. No. 147090. Pramod Kumar, Rajiv Gupta and Vijay Sharma, Trading as: Plastic & Metal Devices (India) H-172 Ashok Vihar, Delhi-110052, (An Indian Partnership Firm), Indian Nationals. "Pencil sharpener". May 17, 1978.

Class 3. No. 147107. Shrigopal Sarda, of 507, Sector 18B, Chandigarh-160018, India, an Indian National. "Hair clip". May 20, 1978.

Class 3. No. 147155. Sikand Plastic Industries, 7, Barakhamba Road, New Delhi-110001, an Indian Partnership firm. "Hanger". June 2, 1978.

Class 3. No. 147158. Bawa Plastics 82, Punch Kun Road, New Delhi, a partnership concern. "Games". June 3, 1978.

Class 3. No. 147176. Jagdishbhai Shankerbhai Patel, an Indian National, residing at Akasheth Kuwa's—Pole, Raipur, Ahmedabad-380001, (Gujarat State), India. "Chair". June 6, 1978.

Class 3. No. 147178. Carona Sahu Co. Limited., an Indian Company duly registered under Companies' Act, and having its Registered office at, 221, Dr. D. N. Road, Fort, Bombay-400001, Maharashtra, India. "A footwear". June 6, 1978.

Class 4. No. 146788. Dabur (Dr. S. K. Burman) Private Limited, (An Indian Company) 22-Site IV, Sahibabad, Ghaziabad 201005, U.P. India. "Bottle". March 7, 1978.

Class 4. No. 146897. Revejon Cosmetics, of 35, Kambekar Street, A. Sattar Building, 1st Floor, Bombay-400003, State of Maharashtra, India. "A bottle". April 5, 1978.

Class 4. Nos. 147023 & 147024. Rheaa Distilleries David House, Margao, Goa, an Indian Partnership Concern. "Bottles". May 4, 1978.

Class 4. Nos. 147025 & 147026. Globe Auto Industries, 63-64, Gokhale Market, Delhi-110054, an Indian Partnership Concern. "Head lamp glass for motor vehicle". May 4, 1978.

Class 4. No. 147050. Wockhardt Private Limited, a Company registered under the Indian Companies Act, 1956, having its registered office at 167, Dr. Annie Besant Road, Worli, Bombay-400018, Maharashtra, India. "A bottle". May 9, 1978.

Class 5. No. 146898. Revejon Cosmetics, of 35, Kambekar Street, A. Sattar Building, 1st Floor, Bombay-400003, State of Maharashtra, India. "A Cardboard box". April 5, 1978.

Class 10. No. 146950. Dunlop Limited, a British Company of Dunlop House, 25, Ryder Street, St. James's, London SW1Y 6PX England. "Footwear". November 12, 1977. (U.K.).

Class 11. No. 146771. Manze, Cumballa Hill Flyover, Bombay-400036, State of Maharashtra, India, a registered partnership firm. "Trousers". March 3, 1978.

Class 12. No. 147105. M/s. Mahindra Electro-Chemical Products Ltd., 145, Bombay-Poona Road, Poona-411018, Maharashtra State, India. An Indian Company. "Epoxy cable joints". May 20, 1978.

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Design No 145072—Class 3.

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Akzo NV.—187/Cal/79.

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(F)	Kitamura, S.—247/Cal/79.
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Instytut Obrobki Plastycznej.—157/Cal/79.	Mugutrao, K.T.—87/Bom/79.
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(K)	Nippon Carbide Kogyo Kabushiki Kaisha.—264/Cal/79.
Kabelschlepp GmbH.—70/Bom/79.	Nippon Steel Corporation.—215/Cal/79.
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	Onark Industries, Inc.—324 Cal/79.
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